

Abstract

The invention is directed to a sound system with four loudspeakers and at least one signal processing device connected to the input of two loudspeakers and controlled by two input signals. The signal processing device produces control signals for the loudspeakers. The respective control signals are equal to the sum of the input signals which are weighted differently with respect to amplitude and phase, so that the radiation characteristic of the two loudspeakers depends on the weighting of the input signals.